

#### ABSTRACT OF THE DISCLOSURE

A method of operating a power system includes operating a fuel reformer so as to produce a reformat gas. The reformat gas is advanced through a turbine of a turbocharger thereby driving the compressor of the turbocharger.

- 5 Pressurized air generated by the compressor is supplied to the air inlet of the fuel reformer. The reformat gas exiting the turbine of the turbocharger is advanced to a component such as the intake of the engine, an emission abatement device, or a fuel cell. A fuel reforming system operated by such a method is also disclosed.